

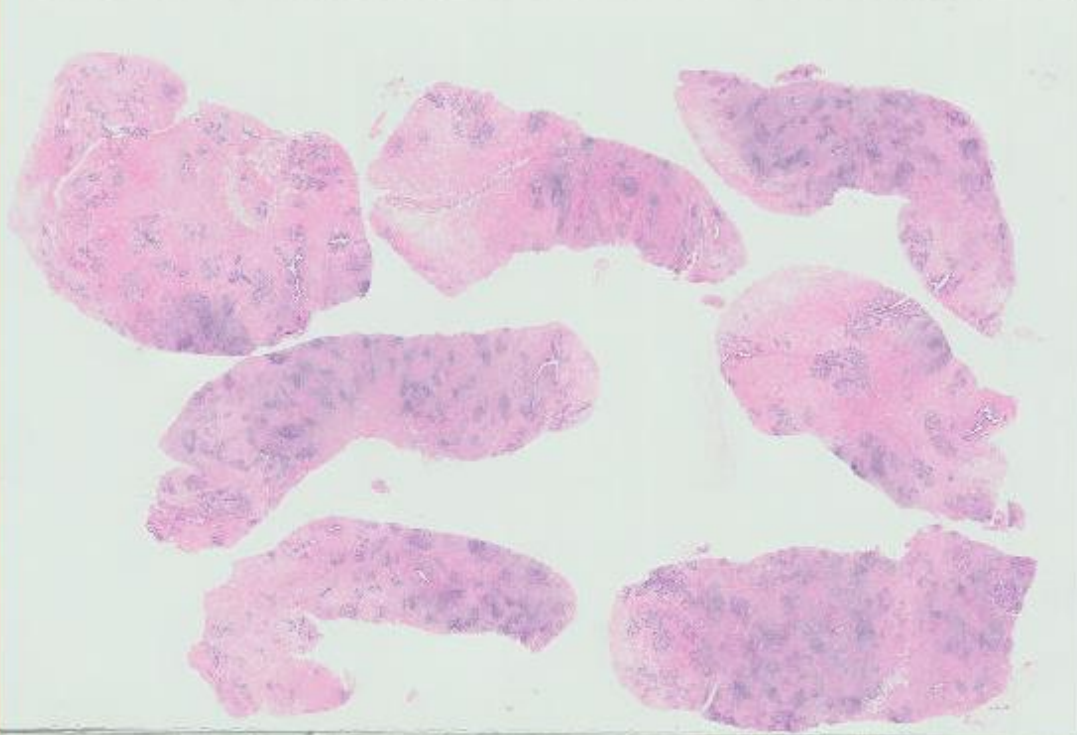
## *Case 17*

51 year old Chinese woman with a right breast  
1200 lesion, underwent mammotome  
excision.

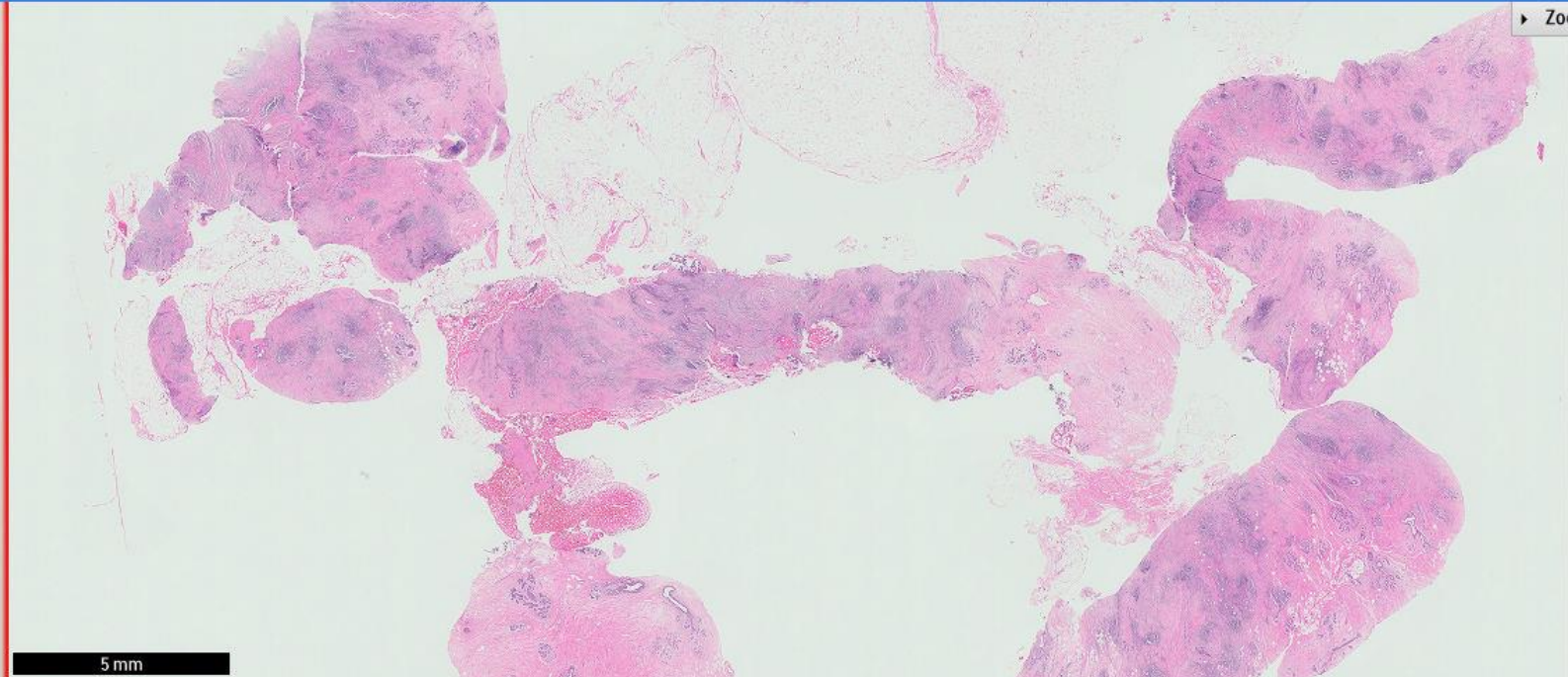


Preast  
Pathology  
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# Case 17A

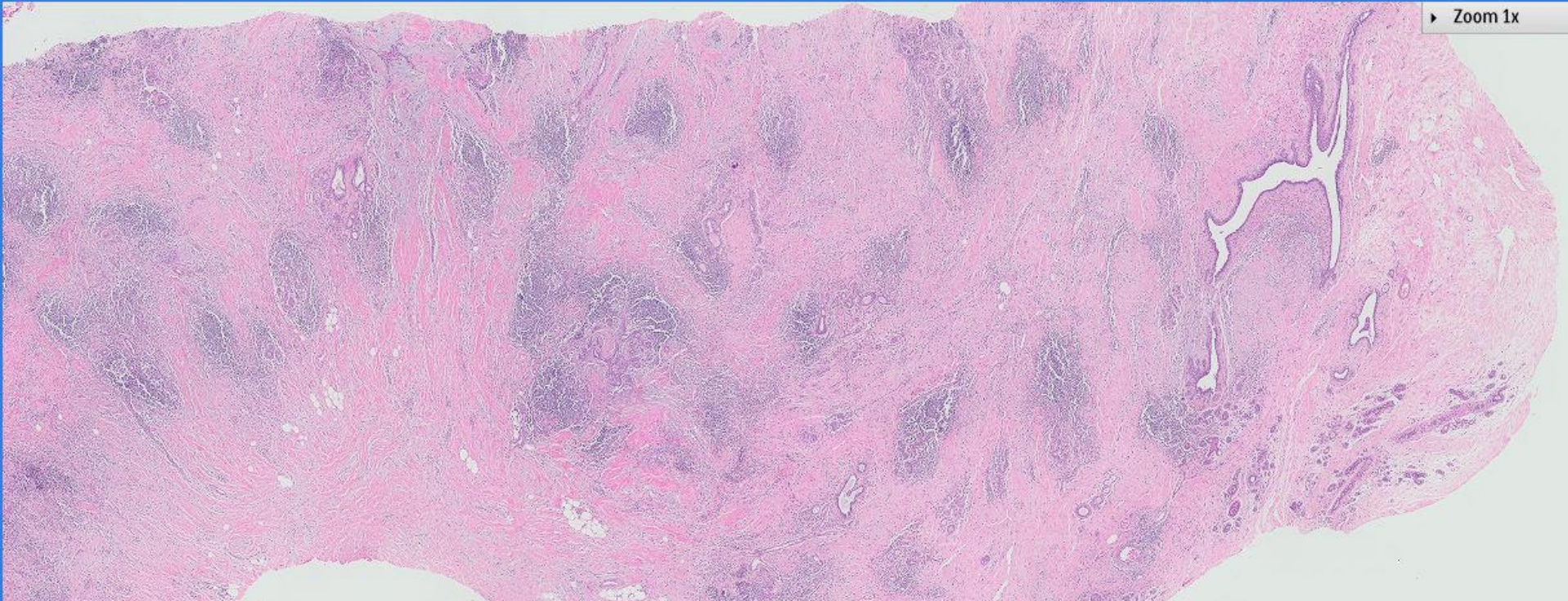


Zoom 0.25x 700.791 mm<sup>2</sup>

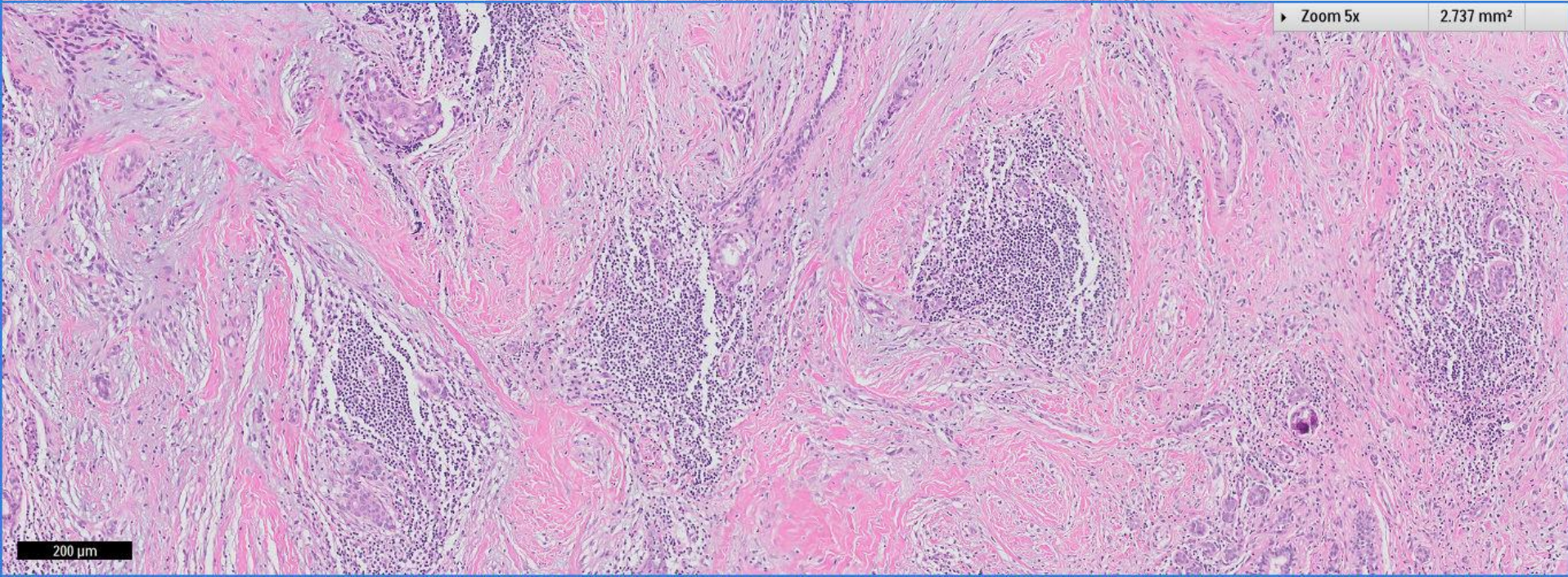


5 mm

▶ Zoom 1x



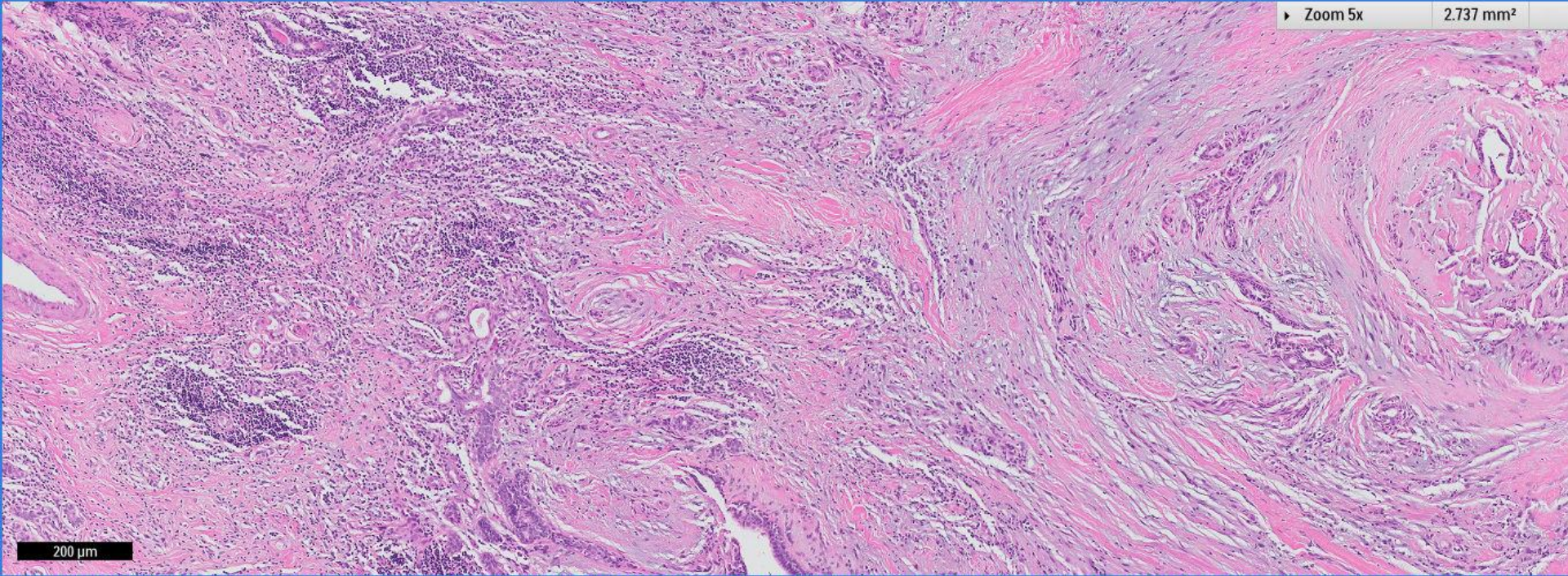
▶ Zoom 5x      2.737 mm<sup>2</sup>



200 μm

Zoom 5x

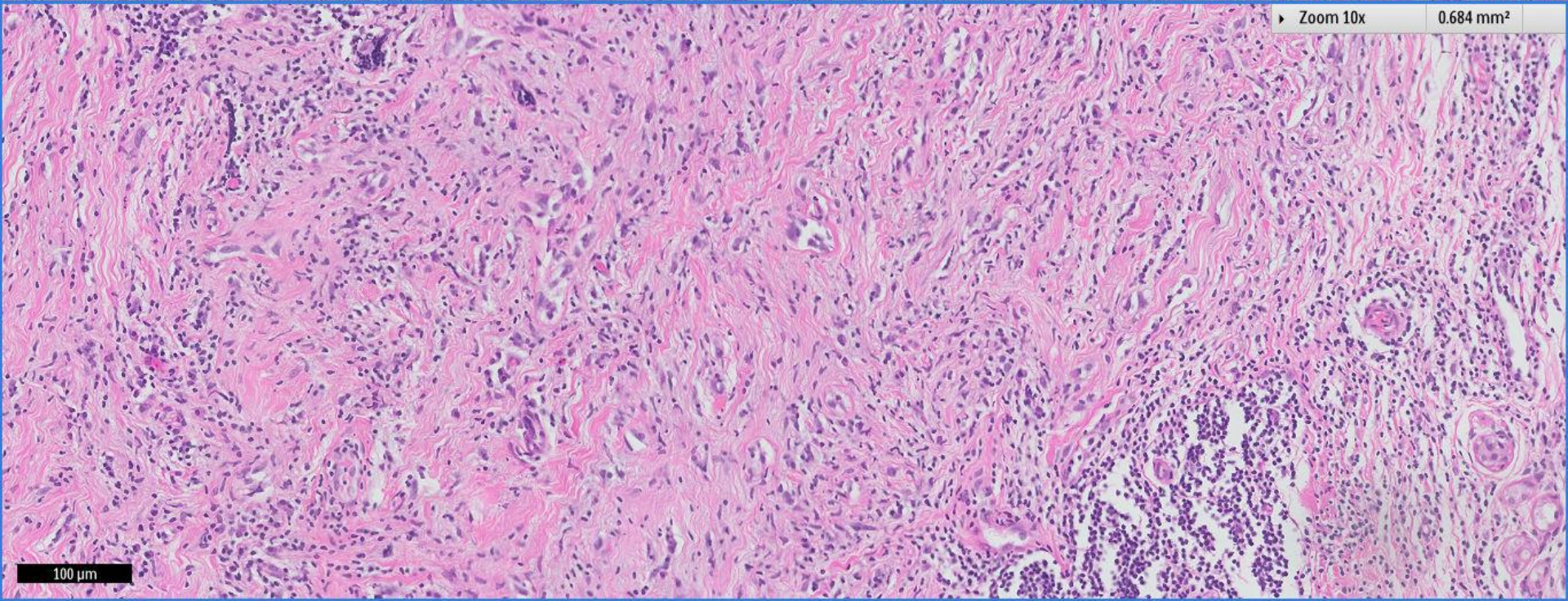
2.737 mm<sup>2</sup>



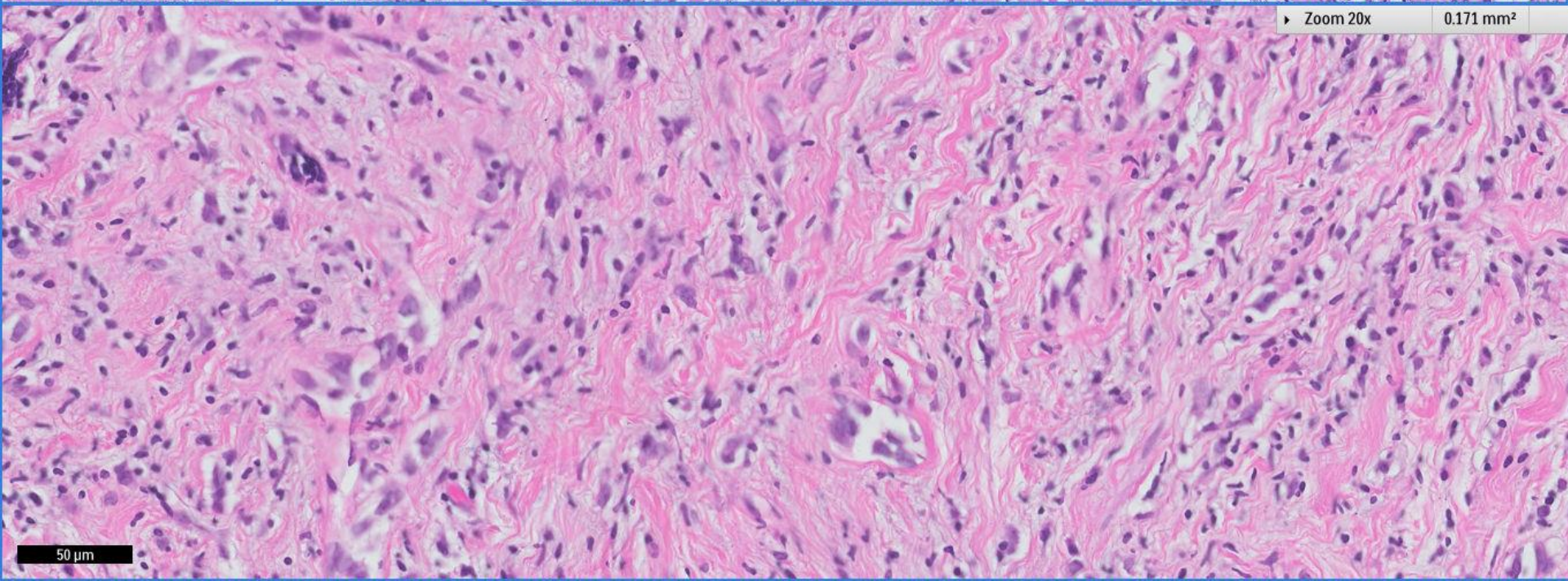
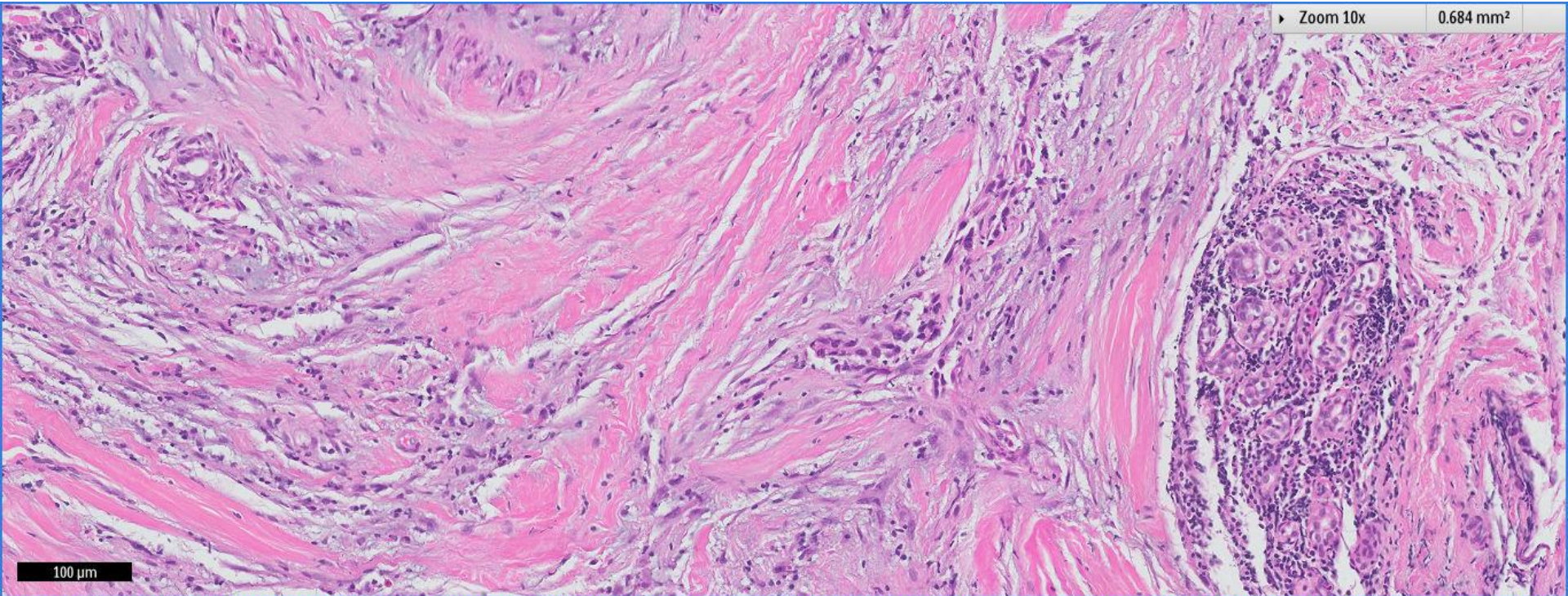
200  $\mu$ m

Zoom 10x

0.684 mm<sup>2</sup>



100  $\mu$ m

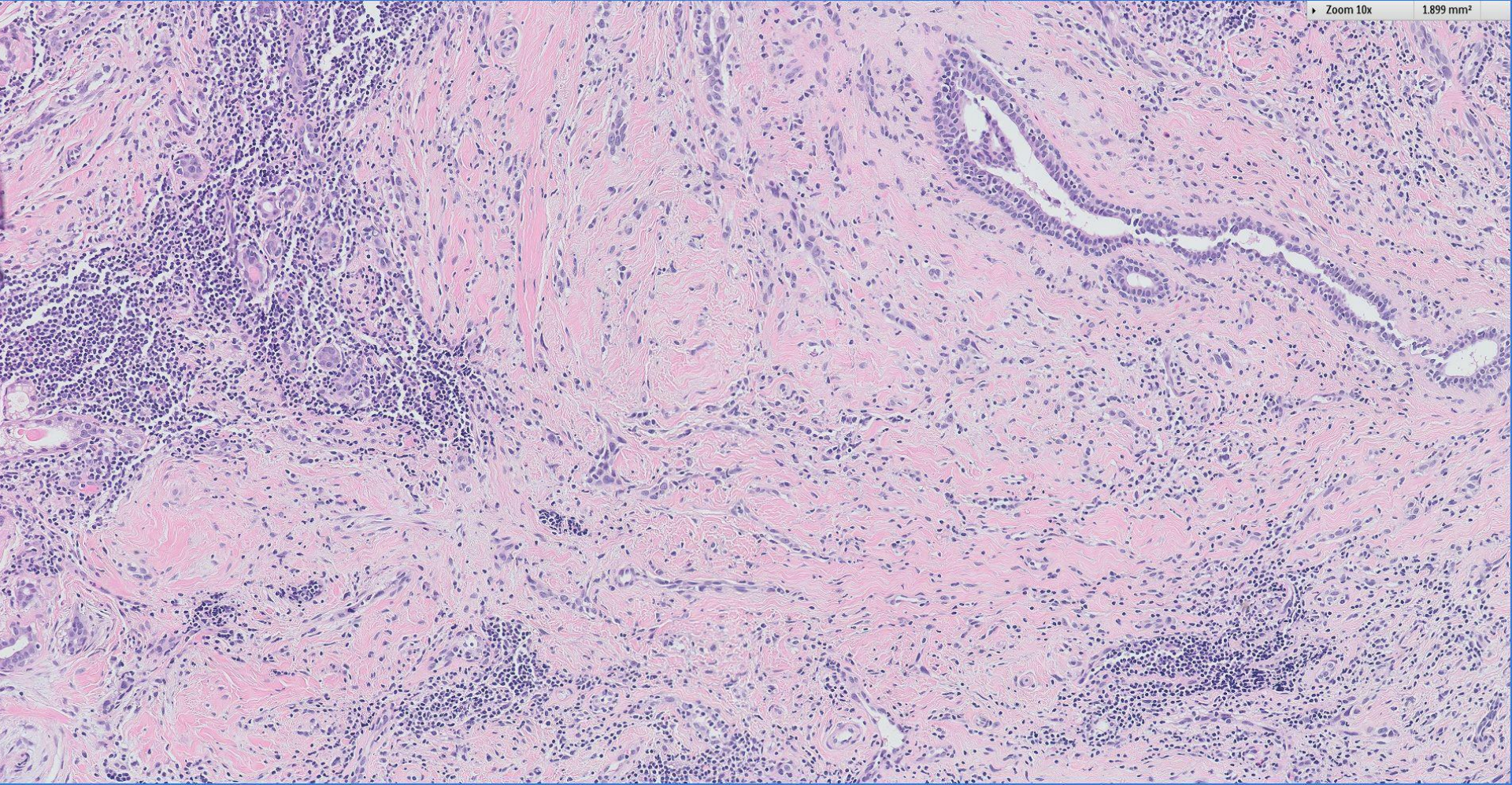


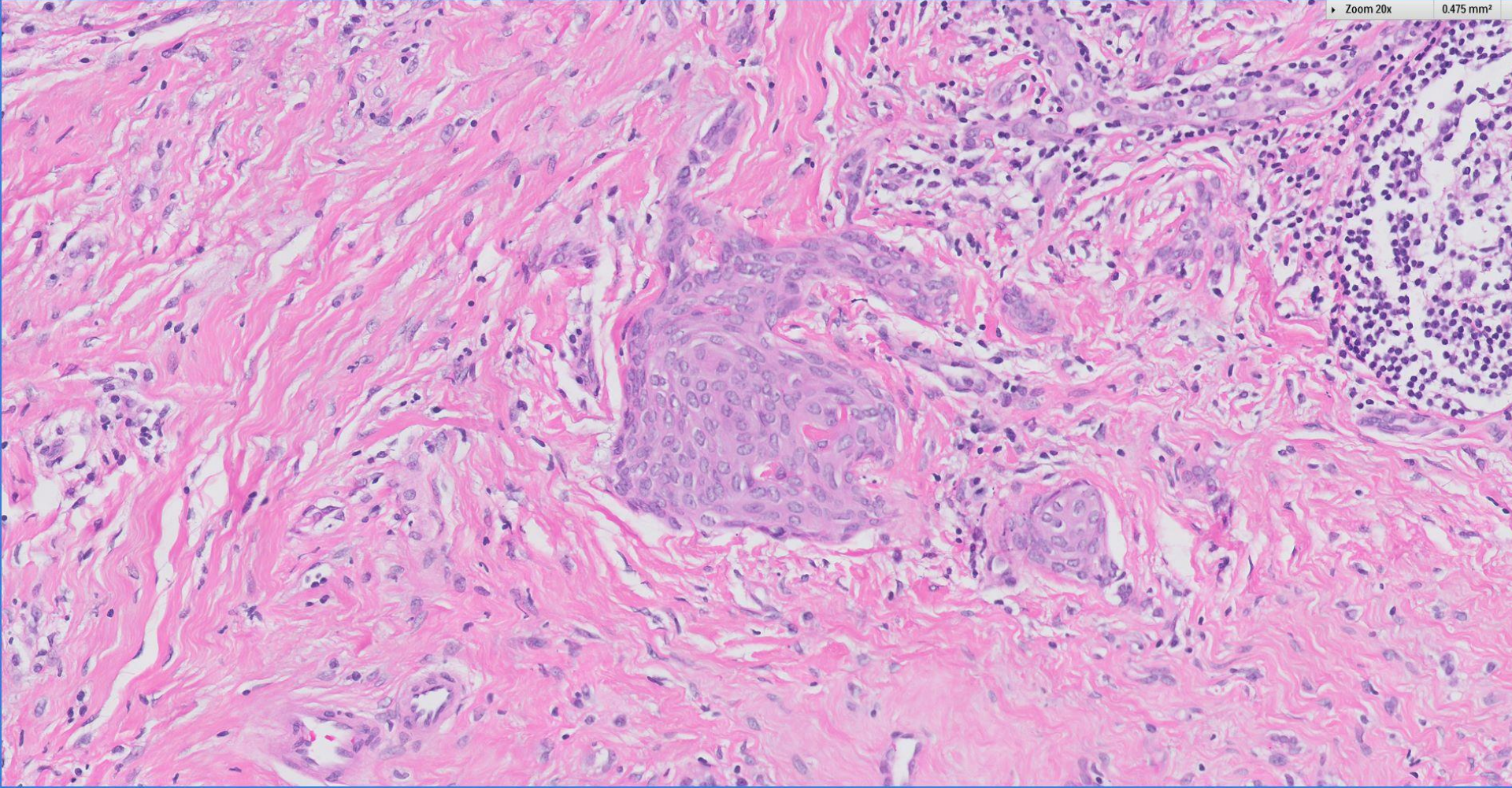
*Singapore flyer and view to the east*



Zoom 10x

1.899 mm<sup>2</sup>

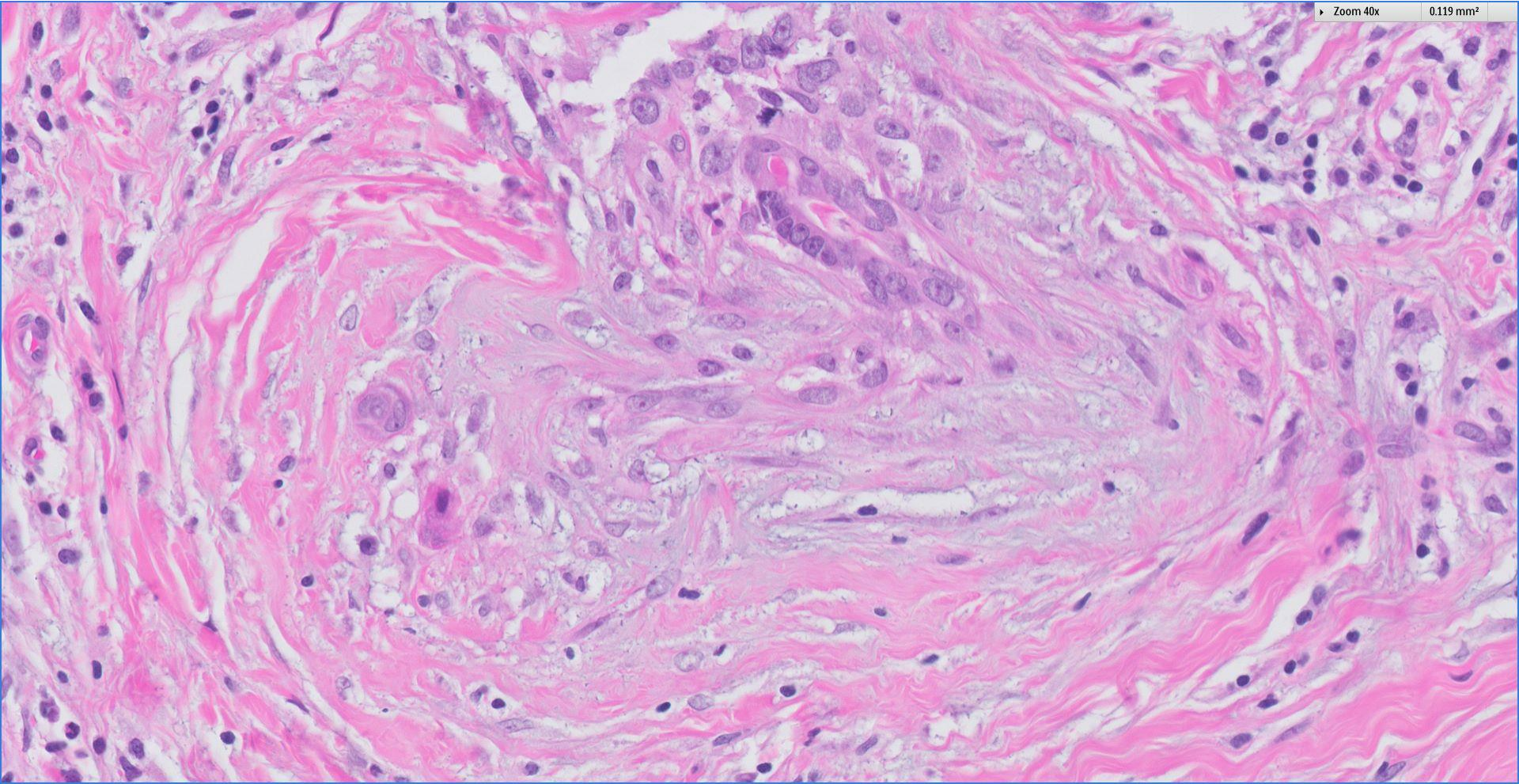


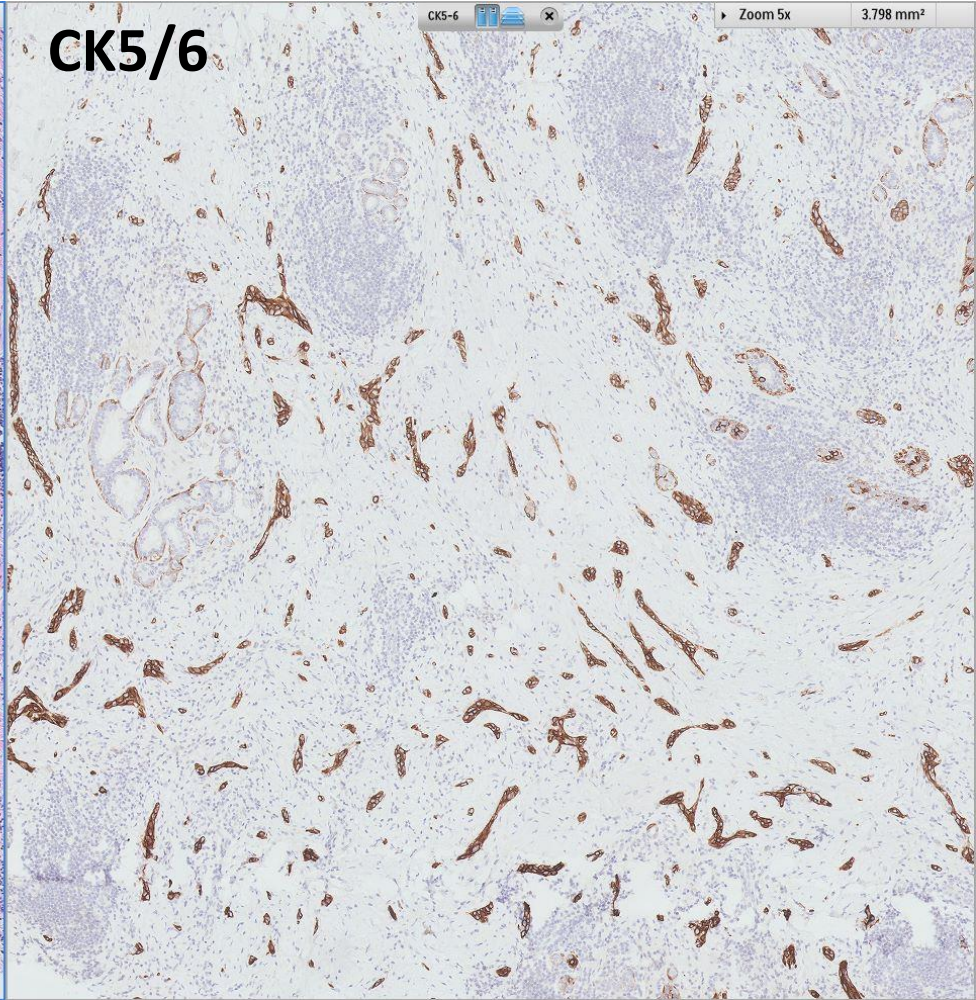
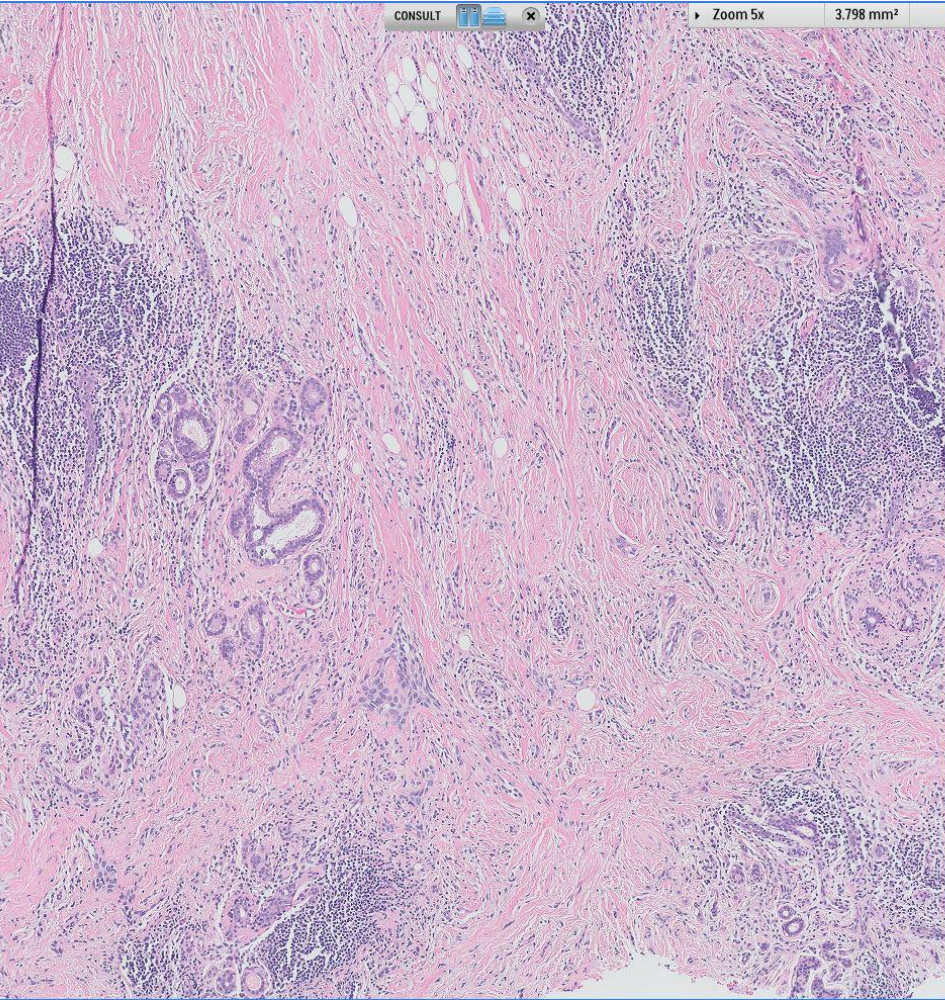


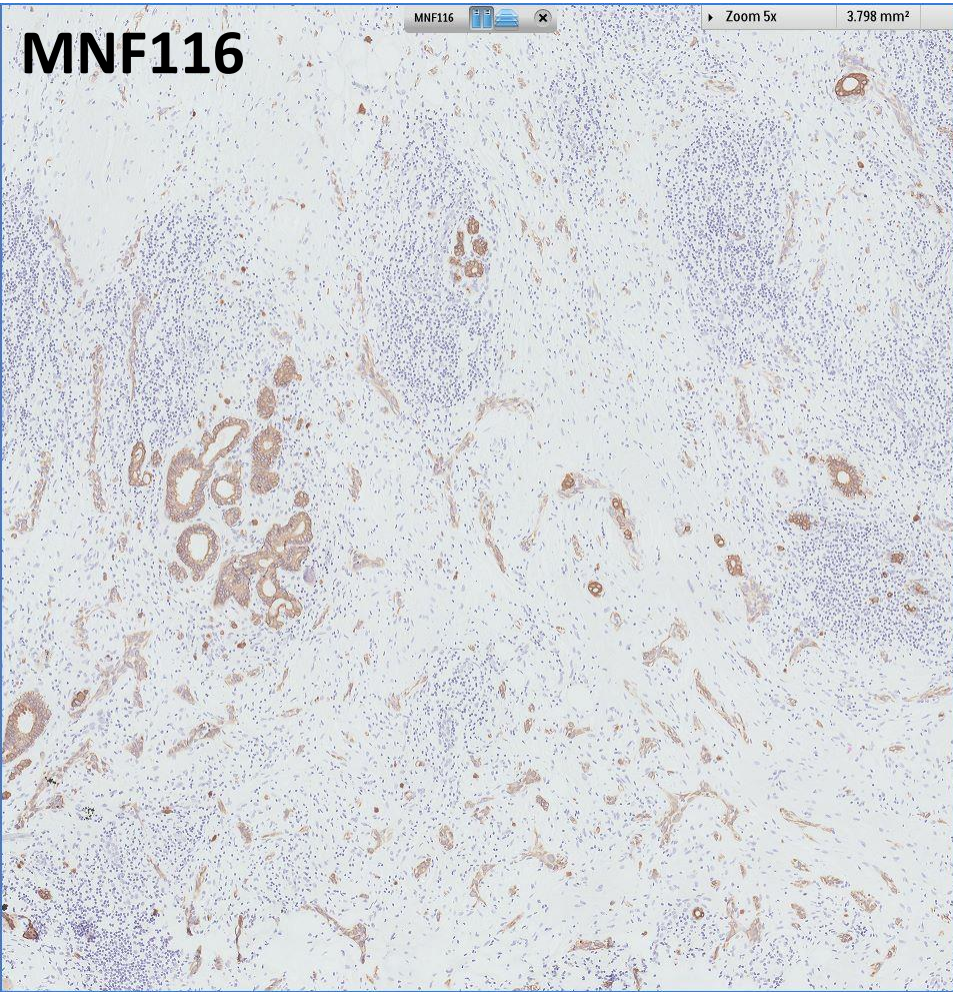
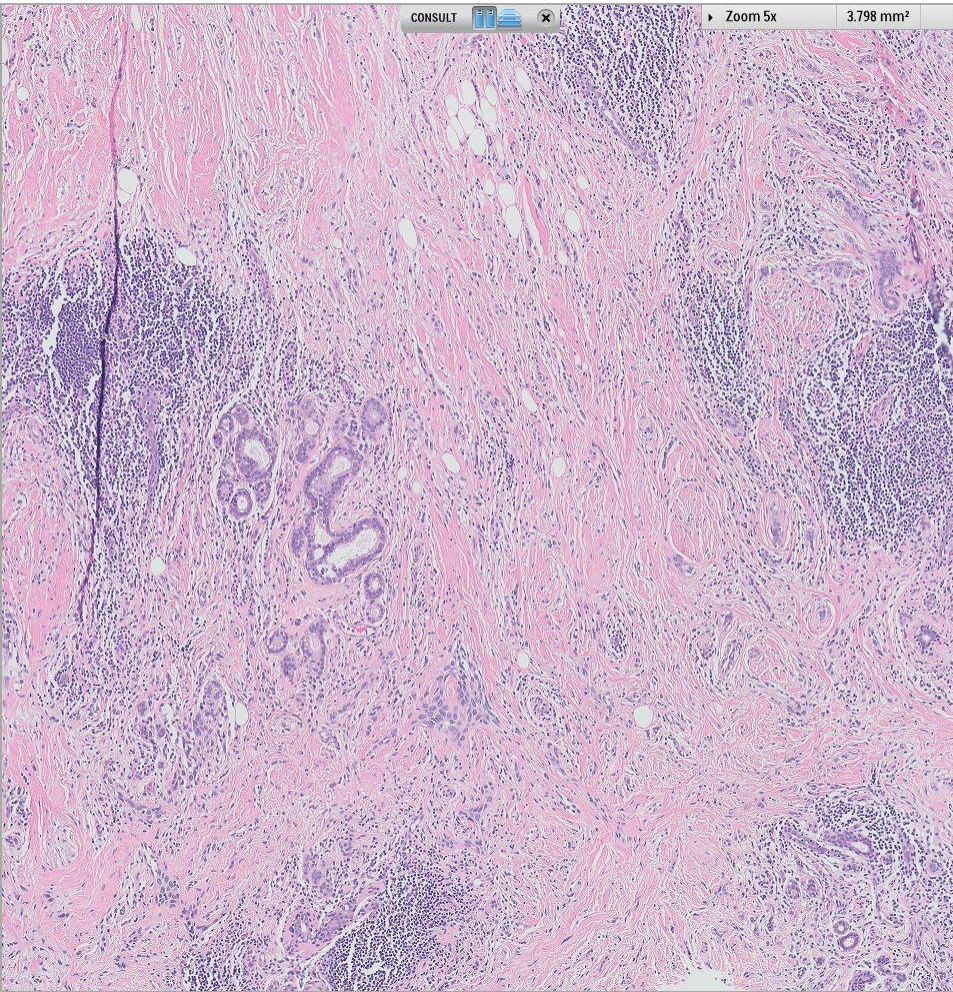


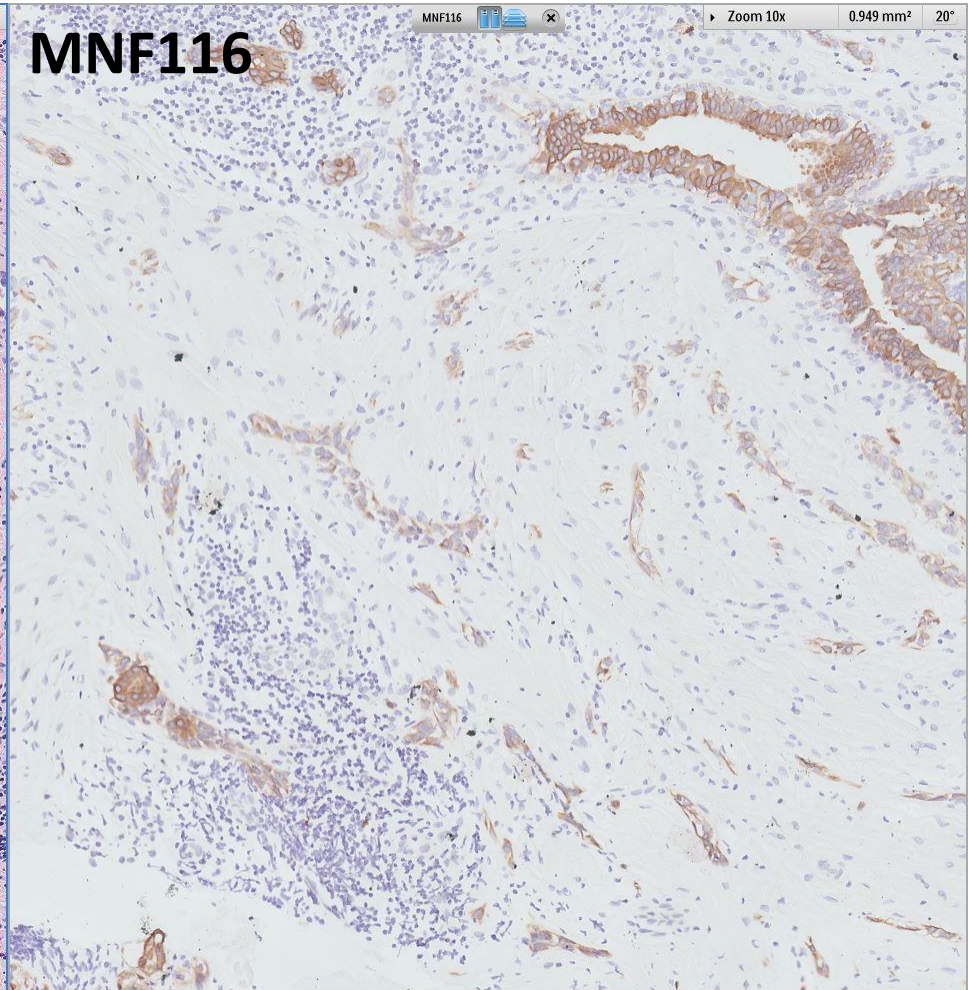
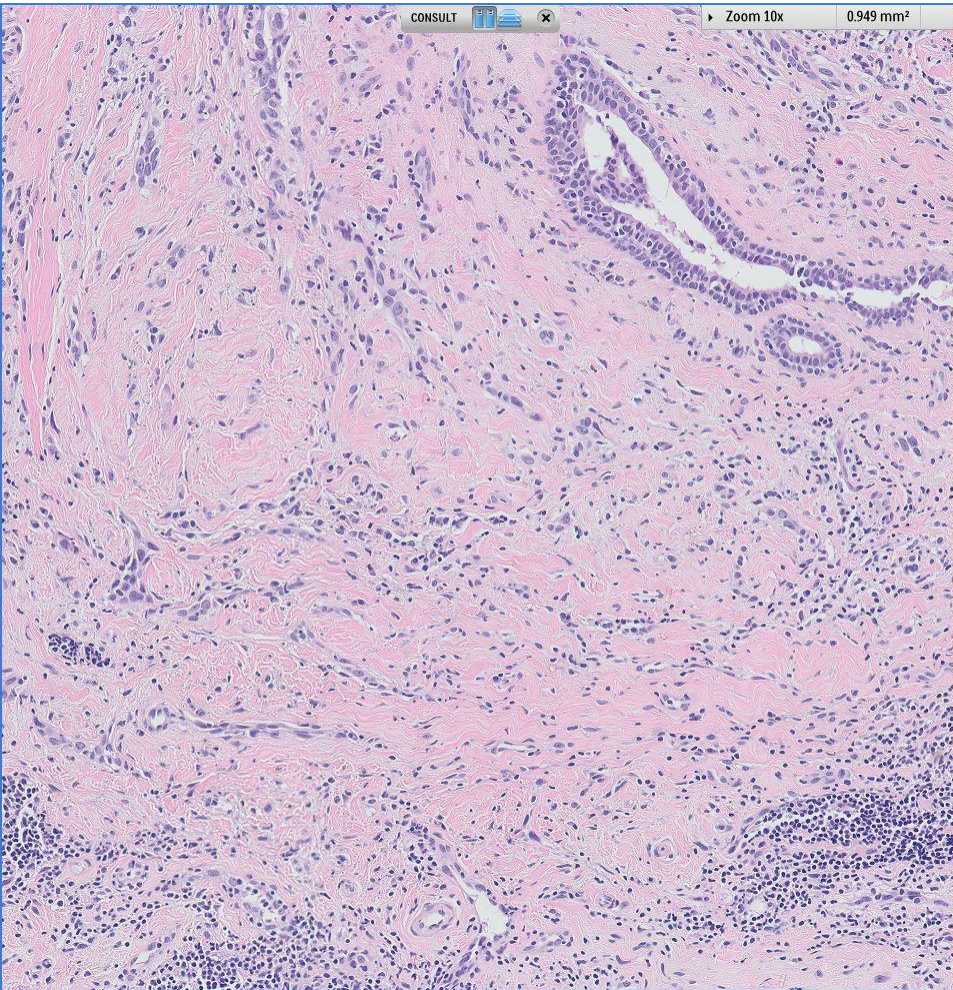
Zoom 40x

0.119 mm<sup>2</sup>

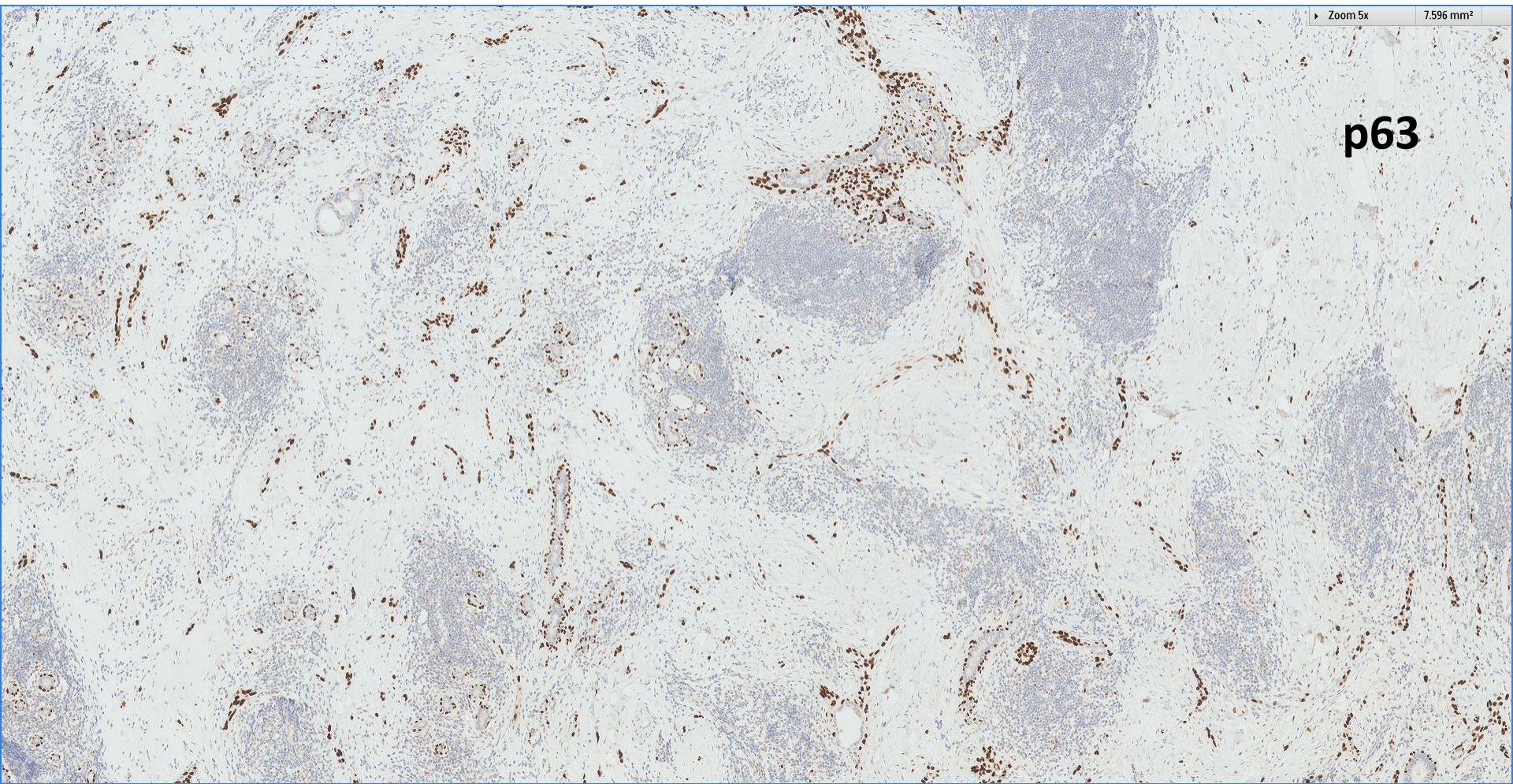








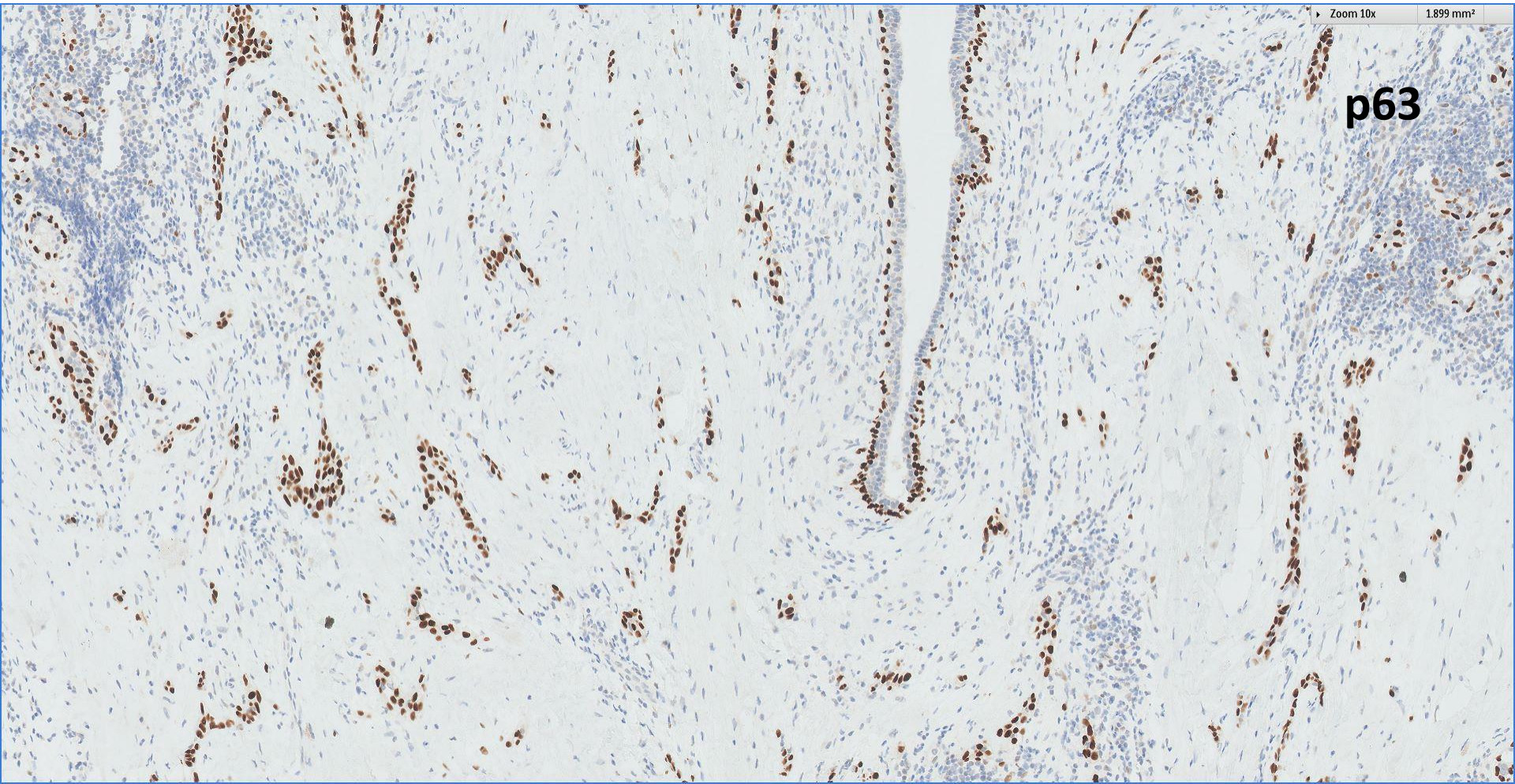
**p63**



Zoom 10x

1.899 mm<sup>2</sup>

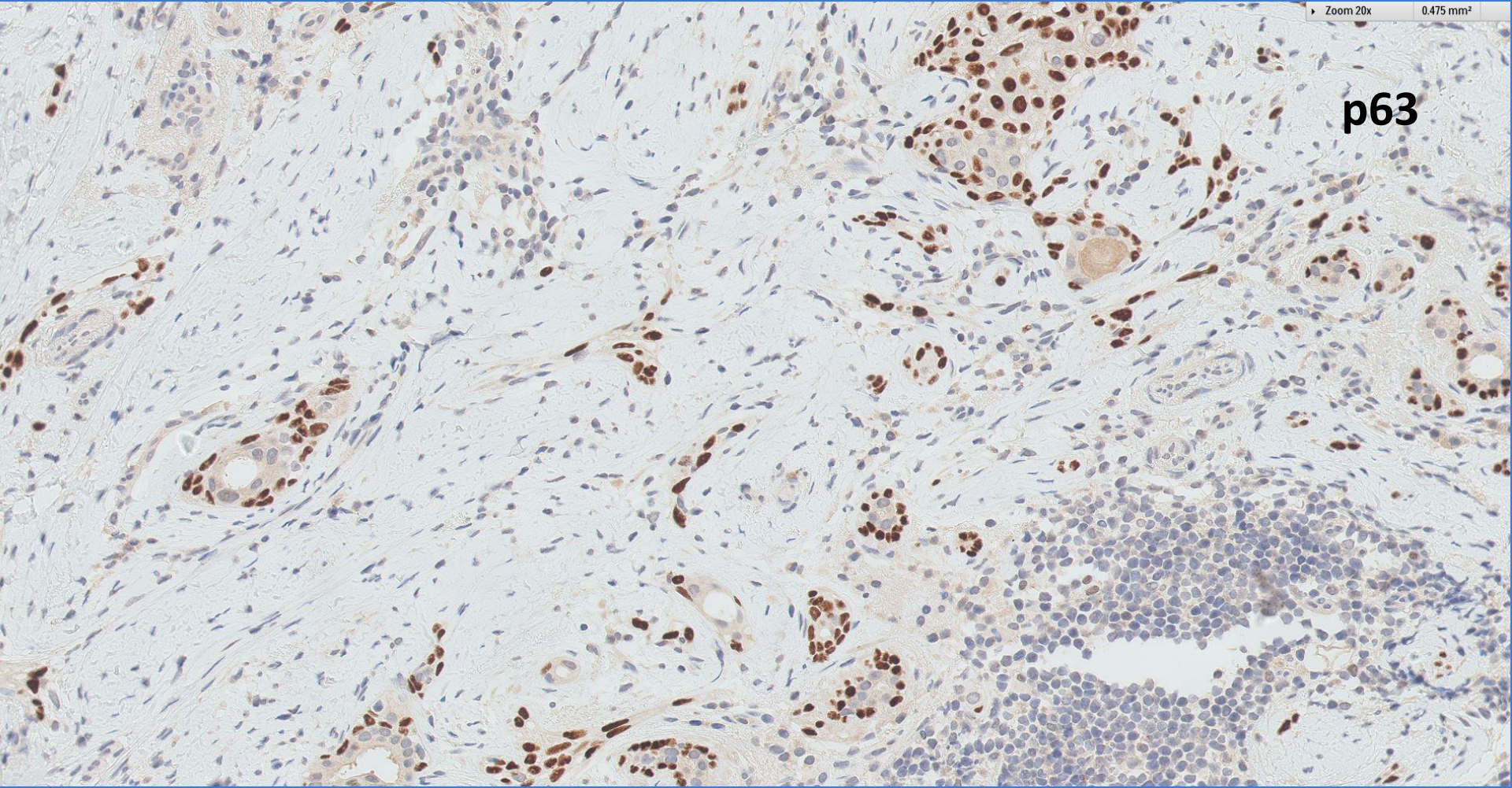
**p63**



Zoom 20x

0.475 mm<sup>2</sup>

**p63**



# Diagnosis

Right breast 1200 lesion, mammotome biopsy ~

***Low grade adenosquamous carcinoma***



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General Hospital

SingHealth

Division of Pathology

since  
**1821**  
195th Anniversary

  
SingHealth **DukeNUS**  
ACADEMIC MEDICAL CENTRE  
**PATHOLOGY**

**IAP**

International Academy of Pathology  
Singapore Division



# Low grade adenosquamous carcinoma of the breast

- 1<sup>st</sup> described by Rosen & Ernsberger in 1987 (*AJSP 1987; 11:351-8*).
- 11 cases with both glandular & squamous differentiation.
- Average age 59 yrs; mean tumour size 2.3 cm.
- Recurrences in 4 of 8 cases treated by local excision alone (*average follow-up 3.5 yrs*).
- No nodal metastases nor recurrences in patients who underwent mastectomy.
- Favourable prognosis.

# Low grade adenosquamous carcinoma of the breast

- 1993:
  - Van Hoeven et al described 32 cases.  
(*AJSP 1993; 17: 248-58*)
  - Mean size 2.8cm.
  - Origin from papillary tumour in 12 cases.
  - Nodal metastasis in 1 case; lung metastasis in another.
  - Local recurrence in 5 cases (*follow-up 12 to 124 mths*).
  - Indolent but locally aggressive.
  - Complete limited excision of small lesions curative; tumours > 3cm may require more aggressive therapy.



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PATHOLOGY



# Low grade adenosquamous carcinoma of the breast

- Denley et al
  - *Histopathology* 2000; 36: 203-9.
  - 5 cases: mean age 62 yrs; mean size 16mm.
  - Association with complex sclerosing lesion.

**Metaplastic carcinoma of the breast arising within complex sclerosing lesion: a report of 5 cases.**

# Low grade adenosquamous carcinoma of the breast

- Diagnosis on core biopsy is difficult.
- Squamous metaplasia can be subtle.
- Presence of angulated tubules and a spindled stroma.
- Clusters of lymphocytes at the periphery with a rounded appearance.
- May be associated with adenomyoepithelioma or sclerosing proliferative lesions.

 Breast  
Pathology  
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*Pathology Building 1958-2013, by Ong Kim Seng*